

SAFETY DATA SHEET**MAKS 4114**

According to Regulation (EC) No. 1907/2008

Issue Date: 31.08.2022

Revision Date: -

Version: 00

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME MAKS 4114
APPLICATION MICROORGANISM CONTROL AGENT
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2 HAZARD IDENTIFICATION**CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:****Classification according to Regulation (EC) No 1272/2008**

Acute toxicity, (Category 4), H302

Acute toxicity, (Category 4), H312

Skin Corr. (Category 1B), H314

Aquatic Acute (Category 1), H400

For the full text of the H-Statements mentioned in this Section, see Section 16.

LABEL ELEMENTS:**Labelling according Regulation (EC) No 1272/2008****PICTOGRAM:****SIGNAL WORD:** Danger**Hazard statement(s):**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Precautionary statement(s):

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P391 Collect spillage

P302+P352 IF ON SKIN: wash with plenty of water.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P501 Dispose of contents/container to local regulations.

Supplemental Hazard Statements: None

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3 COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	CHEMICAL NAME	WT %	CLASSIFICATION
63449-41-2	Alkyl-benzyl-methyl-ammonium chloride	20-40	Acute toxicity, (Category 4), H302; Acute toxicity, (Category 4) H312; Skin Corr. (Category 1B), H314; Aquatic Acute (Category 1), H400

4 FIRST AID MEASURES

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferable mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Aspiration may cause lung damage. Probable mucosal damage may contraindicate the use of gastric lavage. Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical condition.

5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire.

FIRE AND EXPLOSION HAZARD: May evolve oxides of carbon (COx) under fire conditions. May evolve bromine, cyanogens bromide and dibromoaceto nitrile under fire conditions. May evolve oxides of nitrogen (NOx) under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTING: In case of fire, wear a full face positive-pressure self-contained breathing apparatus and protective suit.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Restrict access to area as appropriate until clean-up operations are complete. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection). Stop or reduce any leaks if it is safe to do so. Ventilate spill area if possible. Ensure clean-up is conducted by trained personnel only. Do not touch spilled material. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Notify appropriate government, occupational health and safety and environmental authorities.

METHODS FOR CLEANING UP:

SMALL SPILLS: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container. Wash affected area. **LARGE SPILLS:** Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Wash site of spillage thoroughly with water. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

ENVIRONMENTAL PRECAUTIONS: This product is toxic to fish. Apply this product only as specified on this label. Do not contaminate water by cleaning of equipment, or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

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Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

7 HANDLING AND STORAGE

HANDLING: Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. Avoid generating aerosols and mists. Keep the containers closed when not in use. Have emergency equipment (for fires, spills, leaks etc.) readily available.

STORAGE CONDITIONS: Store the containers tightly closed. Store separately from oxidizers. Store in suitable labeled containers.

SUITABLE CONSTRUCTION MATERIAL: PVC, Polypropylene, Polyethylene, Hastelloy C-276, HDPE (high density polyethylene), Teflon, Viton

UNSUITABLE CONSTRUCTION MATERIAL: Copper, Brass, Aluminum, Mild steel, Buna-N, Ethylene propylene, Neoprene, Polyurethane, Hypalon, Stainless Steel 304, Stainless Steel 316L, Carbon steel

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**OCCUPATIONAL EXPOSURE LIMITS:**

ENGINEERING MEASURES: General ventilation is recommended. Use local exhaust ventilation if necessary to control airborne mist and vapor.

RESPIRATORY PROTECTION: Where concentrations in air may exceed the limits given in this section, the use of a half face filter mask or air supplied breathing apparatus is recommended. A suitable filter material depends on the amount and type of chemicals being handled. Consider the use of filter type: Organic vapor cartridge with a Particulate pre-filter. In event of emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

HAND PROTECTION: PVC Neoprene Viton or Butyl rubber Gloves should be replaced immediately if signs of degradation are observed. Breakthrough time not determined as preparation, consult PPE manufacturers.

SKIN PROTECTION: Wear chemical resistant apron, chemical splash goggles, impervious gloves and boots. A full slicker suit is recommended if gross exposure is possible.

EYE PROTECTION: Wear a face shield with chemical splash goggles.

HYGIENE RECOMMENDATIONS: Use good work and personal hygiene practices to avoid exposure. Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse. Always wash thoroughly after handling chemicals. When handling this product never eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	Liquid
APPEARANCE	Colorless or light yellowish
ODOR:	Weak
SPECIFIC GRAVITY (25°C)	0.95-1.05 g/cm ³
SOLUBILITY IN WATER	Complete
FREEZING POINT:	0 °C
pH (100%) (25°C)	6.0-9.0

NOTE: These physical properties are typical values for this product and are subject to change.

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10 STABILITY AND REACTIVITY**STABILITY:** Stable under normal conditions.**HAZARDOUS POLYMERIZATION:** Hazardous polymerization will not occur.**CONDITIONS TO AVOID:** Heat.**MATERIALS TO AVOID:** Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, per chlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors. Contact with reducing agents (e.g. hydrazine, sulfites, sulfide, aluminum or magnesium dust) may generate heat, fires, explosions and toxic vapors. Oxidizing agents aluminum.**HAZARDOUS DECOMPOSITION PRODUCTS:** Under fire conditions: Oxides of carbon.**11 TOXICOLOGICAL INFORMATION**

No toxicity studies have been conducted on this product.

12 ECOLOGICAL INFORMATION**ACUTE TOXICITY:****PERSISTENCE AND DEGRADABILITY:** No data available.**BIOACCUMULATIVE POTENTIAL:** No data available.**MOBILITY IN SOIL:** No data available.**RESULTS OF PBT AND VPVB ASSESSMENT:** No data available.**OTHER ADVERSE EFFECTS:** No data available.**13 DISPOSAL CONSIDERATIONS**

If this product becomes a waste, it could meet the criteria of a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Before disposal, it should be determined if the waste meets the criteria of a hazardous waste.

Hazardous Waste: D002

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures approved by state and local authorities.

14 TRANSPORT INFORMATION**UN NUMBER:****ADR/RID:** 3267**IMDG:** 3267**IATA:** 3267**UN PROPER SHIPPING NAME****ADR/RID:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.**IMDG:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.**IATA:** CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.**TRANSPORT HAZARD CLASS (ES)****ADR/RID:** 8**IMDG:** 8**IATA:** 8**LABEL:** 8

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PACKAGING GROUP

ADR/RID: III

IMDG: III

IATA: III

ENVIRONMENTAL HAZARDS

ADR/RID: No

IMDG Marine pollutant: yes

IATA: No

SPECIAL PRECAUTIONS FOR USER: No data available.**15 REGULATORY INFORMATION****THIS SAFETY DATASHEET COMPLIES WITH THE REQUIREMENTS OF REGULATION (EC) NO. 1907/2006.****SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE:** No data available.**CHEMICAL SAFETY ASSESSMENT:** For this product a chemical safety assessment was not carried out.**16 OTHER INFORMATION**

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. For any other uses, exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations. Please consult your local sales representative for any further information.

EMERGENCY TELEPHONE NUMBER(S): 0 850 522 71 04**SDS Authorized Person:** ŞEVVAL GÖKÇE DENKÇİ**Certificate Validity Date:** 31.12.2023**Certificate No:** GBF01.60.02